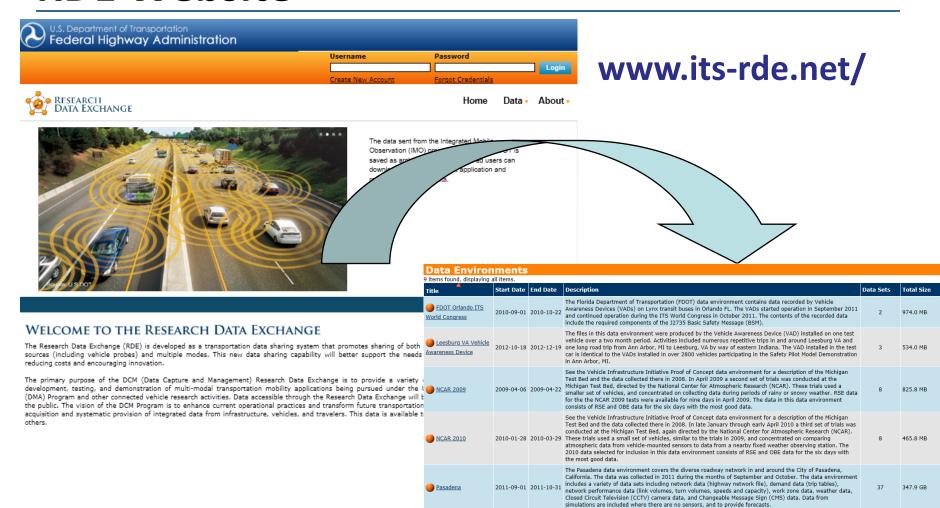
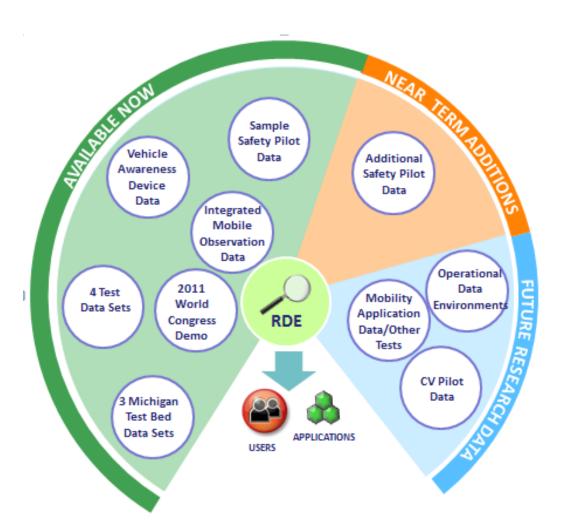
Research Data Exchange Release 2.0

Real-Time Data Capture and Management Program

RDE Website



RDE Content



What is included in the RDE

- Real-time and Archived Data
- Probe Data from Field Tests
- Data from Research Projects including simulations
- Advanced Search Capabilities
- Multiple File Download Capability
- FAQs
- External Links
- Contact Information
- Standard Metadata documentation



New Data on the RDE for Release 2.0

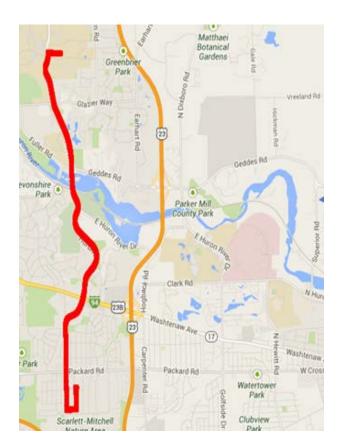
Integrated Mobile Observation (IMO) Data

- Real-time and archived data from Minnesota DOT maintenance vehicles
- Contains location data, road weather observations from vehiclemounted sensors, and engine data directly from the vehicles' CAN bus.
 - In archive mode, users may download files containing all records collected within a certain time interval.
 - In real-time mode, an application may be downloaded from the RDE that enables the user to receive the data records in real-time directly from the RDE.

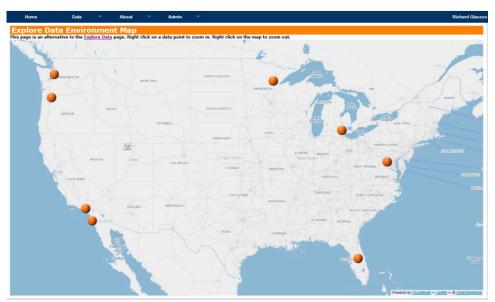
Safety Pilot Model Deployment Data

Connected Vehicle Data (One-Day Sample) from Ann Arbor, MI

- Data from vehicles with vehicle awareness devices, aftermarket safety devices, retrofit safety devices, and integrated safety devices
- Messages sent and received by Roadside Equipment (RSEs)
- Basic Safety Messages (BSM) defined in the SAE J2735 standard.
- The primary contents of BSM files include:
 - Position (latitude, longitude, elevation)
 - Transmission status
 - Speed and heading
 - Lateral, longitudinal, and vertical acceleration
 - Brake system status, ABS status, traction control status



New Features of the RDE for Release 2.0



- The user interface has been upgraded.
- The RDE now features a "shopping cart" model to download of multiple files as a zip file.
- The download confirmation text now provides an estimate of the download file size.
- Updated "Frequently Asked Questions" (FAQs).
- Users can now subscribe to receive emailed news of RDE-related updates and feedback opportunities.
- Data environments may be viewed and accessed via a map-based interface.

For more information ...

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